

Title (en)

Composition and method for perforating heat-sensitive stencil sheet

Title (de)

Zusammensetzung und Methode zum Perforieren einer wärmeempfindlichen Druckschablone

Title (fr)

Composition et méthode pour la perforation de stencils thermiques

Publication

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Application

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Priority

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Abstract (en)

A composition for perforating a heat-sensitive sheet by use of photothermal conversion materials is provided, which can efficiently perforate stencil sheets specifically at sites to which photothermal conversion materials have been transferred. The composition comprises a photothermal conversion material contained in a liquid, said liquid comprising a solvent having a boiling point of 50 to 250 DEG C and a heat of vaporization of 200 cal/g or less in an amount of at least 50 % by weight based on the total of said liquid. Said photothermal conversion material is preferably carbon black in an amount of 0.1 to 30 % by weight of the composition. The composition is ejected from a liquid-ejecting means to transfer it to a heat-sensitive stencil sheet, and then the stencil sheet is exposed to a visible or infrared ray so as to be perforated specifically at portions to which said composition has been transferred. Said heat-sensitive stencil sheet may have a liquid absorbing layer on a surface thereof so that said composition is stably fixed thereon.

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